M. Zisman
Project Manager

BNL

Milestone	Date	Deliverable
A3 beamline shielding complete	3/1/01	Inspection
Review of initial carbon target	3/1/01	Approval to fabricate
Review of initial liquid-metal target	3/15/01	Approval to fabricate
Begin 20-T pulsed solenoid mech. design	4/2/01	Contract awarded
A3 radiation safety review complete	4/16/01	Operations clearance
Preliminary review of liquid-Hg jet with NHMFL	4/16/01	Approval to fabricate
A3 beamline commissioning complete	4/30/01	Report
Complete Feasibility Study-II	4/30/01	Final report
Solid target delivered	5/1/01	Inspection
Liquid-metal target delivered	5/15/01	Inspection
Begin target test program	6/1/01	First target exposed to beam
Complete Snowmass review document	7/2/01	Final report prepared
Liquid-Hg jet test plan complete	7/30/01	Approval to test
Begin test of liquid-Hg jet in 20-T solenoid at NHMFL	9/3/01	First experiment begins
Preliminary design of AGS 6-bunch extraction kicker	9/17/01	Report prepared
Complete 20-T pulsed solenoid mech. design	9/28/01	Final design report
Add emittance exchenge and other featues to ICOOL code	9/28/01	Prepare MC note
Complete target simulation studies	9/28/01	Prepare MC note

FNAL

Milestone	Date	Deliverable
Lab G operational	2/19/01	Inspection
Begin absorber window pressure tests	2/26/01	Inspection
Begin open-cell RF test program	3/19/01	Start of high-power conditioning
Complete materials study for grid tubes	3/30/01	Prepare MC note
Complete thermal and mechanical design of 201-MHz cavity	4/30/01	Prepare MC note
Complete simulation studies for Feasibility Study-II	4/30/01	Final report prepared
Absorber test area ready	6/18/01	Inspection
Complete conceptual design of 201-MHz power coupler	6/22/01	Prepare MC note
Complete conceptual design of grid tube assembly	6/22/01	Prepare MC note
Begin cavity tests at high power in Lab G (FNAL)	6/29/01	Inspection
Test prototype 3 fast timing detector in FNAL Lab G	6/29/01	Prepare report
Complete conceptual design of 201-MHz tuner	8/31/01	Prepare MC note
Bench test of first absorber prototype	9/28/01	Prepare MC note
Begin preparation of 201-MHz power supply	9/28/01	Parts acquired
Complete initial fabrication tests of model grid tube assembly	9/28/01	Inspection

LBNL

Milestone	Date	Deliverable
Complete flat window finite-element analysis	12/1/00	Prepare MC note
Begin fabrication of 805 MHz high-power window cavity	12/22/00	Inspection
Analyze RF system requirements for Feasibility Study-II	12/22/00	Interim report
Induction linac interim design completed for Feasibility Study-II	1/30/01	Interim report
Induction linac SC solenoid interim design completed for Feasibility Study-II	1/30/01	Interim report
Cooling channel cryostat interim design completed for Feasibility Study-II	1/30/01	Interim report
Complete baseline window design for Feasibility Study-II	2/1/01	Interim report
Order Be windows with anti-multipactor coating	2/28/01	P.O. initiated
Order stepped windows for testing	2/28/01	P.O. initiated
Complete cavity fabrication at U-Mississippi	4/2/01	Inspection
Begin mechanical design of 201 MHz RF cavity, incl. coupler	4/2/01	Inspection
Test high-power cavity at low power (LBNL)	4/30/01	Prepare report
Test stepped windows with halogen lamp and low-power cavity	4/30/01	Prepare MC note
Induction linac final design and cost estimate completed	4/30/01	Final report prepared
Induction linac SC solenoid final design completed for Feasibility Study-II	4/30/01	Final report prepared
Begin cavity tests at high power in Lab G (FNAL)	6/29/01	Inspection
Complete conceptual design for 201-MHz sized test solenoid	7/2/01	Prepare MC note
Study multipactor and breakdown in Lab G (FNAL)	8/31/01	Prepare MC note
Test 201-MHz windows with halogen lamp	8/31/01	Prepare MC note
Test 805 MHz windows at high power in Lab G (FNAL)	9/28/01	Prepare MC note
Complete mechanical design of 201-MHz test cavity	9/28/01	Prepare MC note

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ANL

Milestone	Date	Deliverable
Complete Feasibility Study-II diagnostics definition	4/30/01	Final report prepared
Complete study of cavity x-rays and dark currents	6/29/01	Prepare MC note
Assess liquid-metal jet fragmentation from beam heating	6/29/01	Prepare MC note
Complete initial study of emittance exchange	9/28/01	Prepare MC note
Develop approach to analytic 6D cooling theory	9/28/01	Prepare MC note
Examine principles of emittance exchange	9/28/01	Prepare MC note
Model shock hydrodynamics of solid and liquid targets	9/28/01	Prepare MC note

Illinois Institute of Technology

Milestone	Date	Deliverable
Hire postdoctoral researcher	1/31/01	Person in place
Complete Feasibility Study-II simulations	4/30/01	Final report prepared
Complete Snowmass document simulations	7/2/01	Final report prepared
Document cooling simulation studies	12/21/01	MUCOOL notes submitted

U-Mississippi

Milestone	Date	Deliverable
Incorporate cooling ring geometry into ICOOL	3/30/01	Prepare MC note
Complete high-power 805-MHz cavity fabrication	4/2/01	Inspection
Test resistivity of annealed beryllium at 77 K	8/31/01	Prepare MC note
Document expected performance of Cerenkov detectors in cooling channel and ring	9/28/01	Prepare MC note

Princeton

Milestone	Date	Deliverable
Review of initial liquid-metal target	3/16/01	Approval to fabricate
Begin 20-T pulsed solenoid mech. design	4/2/01	Contract awarded
Preliminary review of liquid-Hg jet with NHMFL	4/16/01	Approval to fabricate
Complete Feasibility Study-II	4/30/01	Final report
Liquid-metal target delivered	5/15/01	Inspection
Begin target test program	6/1/01	First target exposed to beam
Fabricate fast flux monitor for secondaries (m/p)	6/1/01	Inspection
Complete Snowmass review document targetry writeup	7/2/01	Final report prepared
Liquid-Hg jet test plan complete	7/30/01	Approval to test
Continue study of plasma modes in high resistance medium	8/1/01	Prepare MC note
Begin test of liquid-Hg jet in 20-T solenoid at NHMFL	9/5/01	First experiment begins
Complete 20-T pulsed solenoid in-house mech. design studies	9/28/01	Final report prepared
Complete liquid-jet simulation studies	9/28/01	Prepare MC note

UCB

Milestone	Date	Deliverable
Complete study of helical cooling	3/2/01	Prepare MC note
Complete simulations for Feasibility Study-II	4/30/01	Final report prepared
Benchmark analytic theory for phase rotation channel with ICOOL	6/1/01	Prepare MC note
Complete simulations for Snowmass	7/2/01	Summary report prepared

UCLA

Milestone	Date	Deliverable
Assemble prototype 1 fast timing detector	1/31/01	Inspection
Complete Plan C study for Feasibility Study-II	2/1/01	Interim report
Test prototype 1 with fast laser	2/28/01	Prepare report
Assemble prototype 2 fast timing detector	3/30/01	Prepare report
Complete upstream RF study for Feasibility Study-II	4/30/01	Final report prepared
Analyze MUSCAT data from run at TRIUMF	4/30/01	Inspection
Complete study of Neutrino Factory detector at WIPP site	5/30/01	Prepare MC note
Test prototypes 1 and 2 with cosmic rays	5/31/01	Prepare report
Test prototype 3 in FNAL Lab G	6/29/01	Prepare report
Complete integrated simulation of emittance exchange scheme	8/31/01	Prepare MC note

ORNL

Milestone	Date	Deliverable
Complete C target thermal/stress modeling	1/26/01	Analysis report

Complete Feasibility Study-II initial study	1/30/01	Interim report
Complete C sublimation test	4/30/01	Test report
Complete Feasibility Study-II	4/30/01	Final report and cost estimate
Complete C target beam tests at BNL	7/2/01	Test report

NHMFL

Milestone	Date	Deliverable
Fix target solenoid design requirements and criteria	12/22/00	Design specification document
Complete conceptual designs for target/cooling solenoids	1/31/01	Conceptual design document
Initial description of design alternatives	2/16/01	Prepare MC note
Initial cost estimate completed	3/2/01	Interim report
Draft Feasibility Study-II report completed	3/16/01	Interim report
Final Feasibility Study-II report completed	4/30/01	Final report prepared
Complete preliminary design for 201-MHz cooling test solenoid	9/28/01	Prepare MC note

Jlab

Milestone	Date	Deliverable
Complete initial design of linac system for Feasibility Study-II	1/30/01	Interim report
Complete initial design of RLA system for Feasibility Study-II	3/16/01	Interim report
Complete final design and cost estimate of acceleration system for Feasibility Study-II	4/30/01	Final report prepared

CornelI

Milestone	Date	Deliverable
Complete initial design of SCRF system for Feasibility Study-II	1/30/01	Interim report
Complete final design and cost estimate of SCRF system for Feasibility Study-II	4/30/01	Final report prepared

U. of Iowa

Milestone	Date	Deliverable
Final design review for prototype detector	4/2/01	Approval to fabricate
Fabricate prototype SEM detector	8/1/01	Inspection
Test detector prototype in beam at ANL or FNAL	9/28/01	First prototype exposed to beam